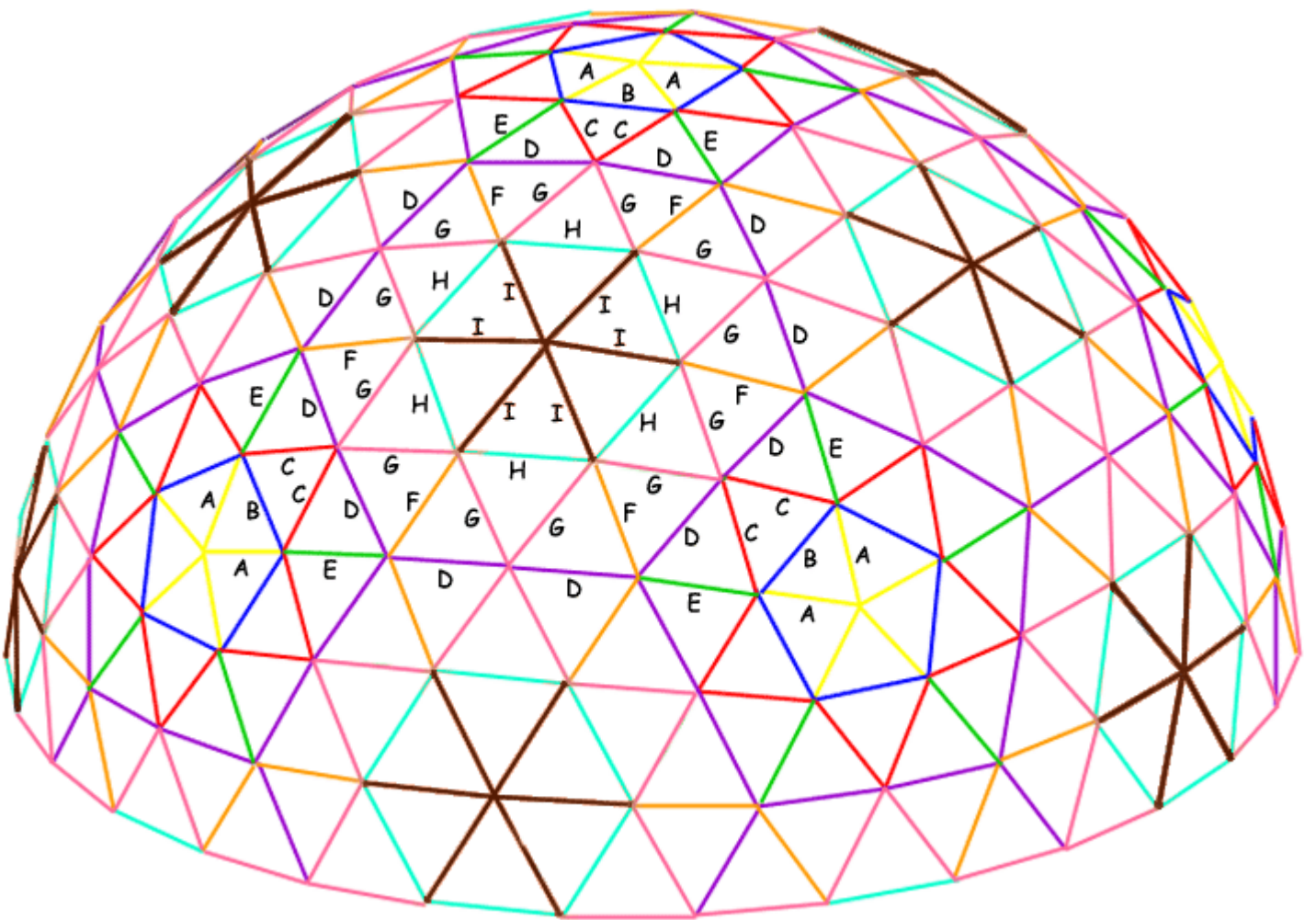


Frequency 6 (6V) Megahub Dome



ALWAYS check the color codes before you glue the struts to the hubs. This graphic will serve as your map in building your dome. It is a symmetrical pattern, so the opposite side is a continuation of the pattern seen here. Following the instructions is optional, but highly recommended!



Step by Step Instructions to build a Geodesic Dome Using Sonostar Megahubs

1. Use the Sonostar Megadome calculator to determine the correct length of the different size struts. It automatically deducts the 4" width of the hubs from the strut lengths.
2. Print out your schedule of lengths so it's handy when you cut your struts.
3. Cut all your struts before you begin. Use Schedule 40 or higher for strength.
4. Use a PVC cutting tool to cut the pipe, or set up a cutoff saw.
5. Color code all your struts with a strip of colored electrical tape about 6" from either end
6. Follow your laminated color-coded map -
7. Lay all your parts out beforehand and make a final count
8. If your radius is more than 8', be sure to have a ladder on hand
9. Build your dome on a flat surface, if possible
10. Start from the ground up, putting together all the perimeter pieces first
11. Make sure the curvature of the ground pieces is correct, with all the base geohubs oriented in/out, and the center arms pointed upward.
12. Push the struts all the way into the geohubs. Use the hard rubber mallet (included) to bump the struts to the end of the hubs.
13. Drill the hole through the PVC from both sides. Don't try to go all the way through, or you may come out in the wrong place and damage the hub.
14. Lay out one row in advance and have someone else double check the color coding using the map guide.
15. Designate someone to be the photographer. Tell them it's their job.
16. PVC can get brittle when exposed to prolonged UV rays (like anywhere outside) A coat of spray paint will protect the pipes and the hubs.

